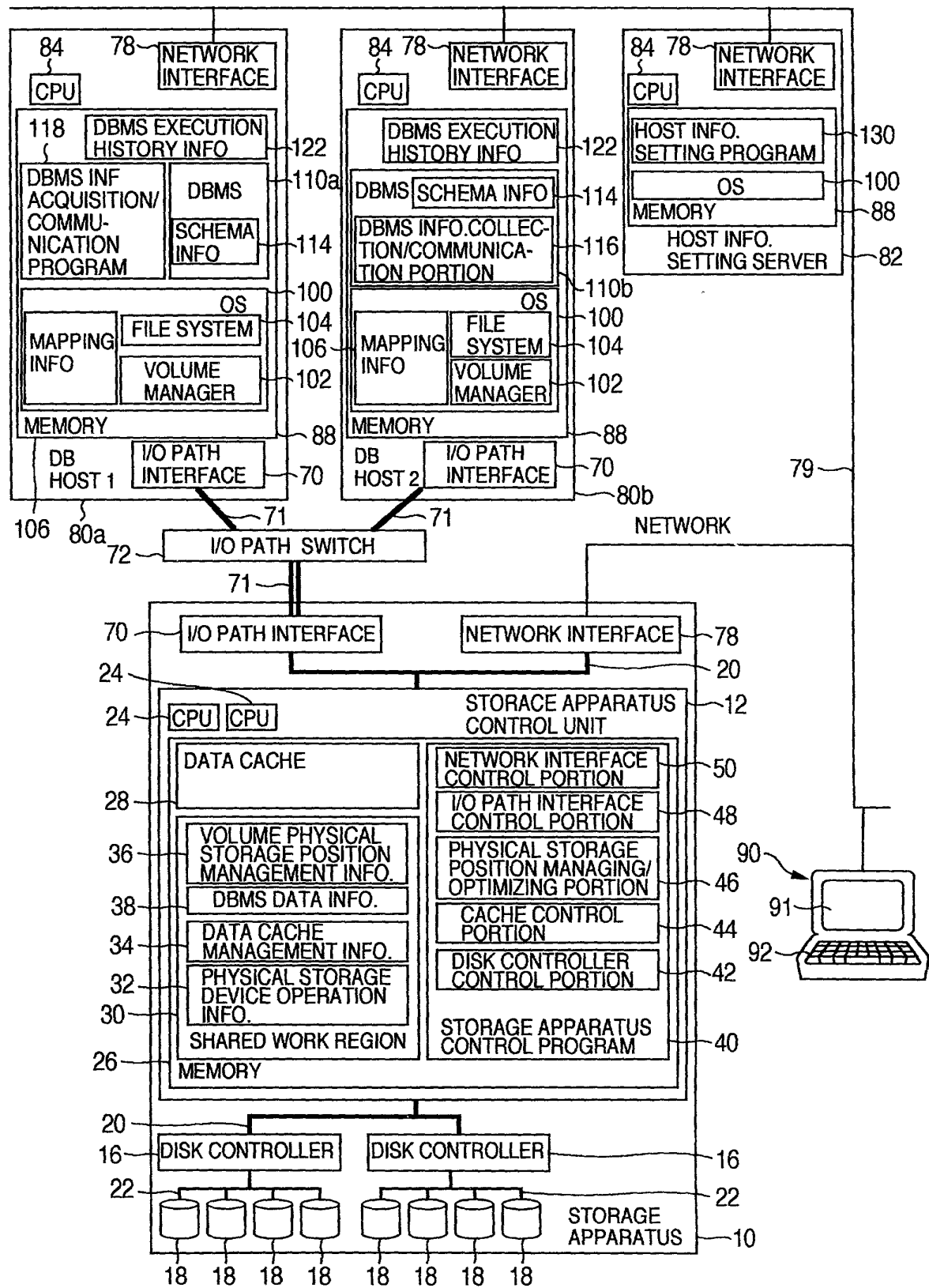
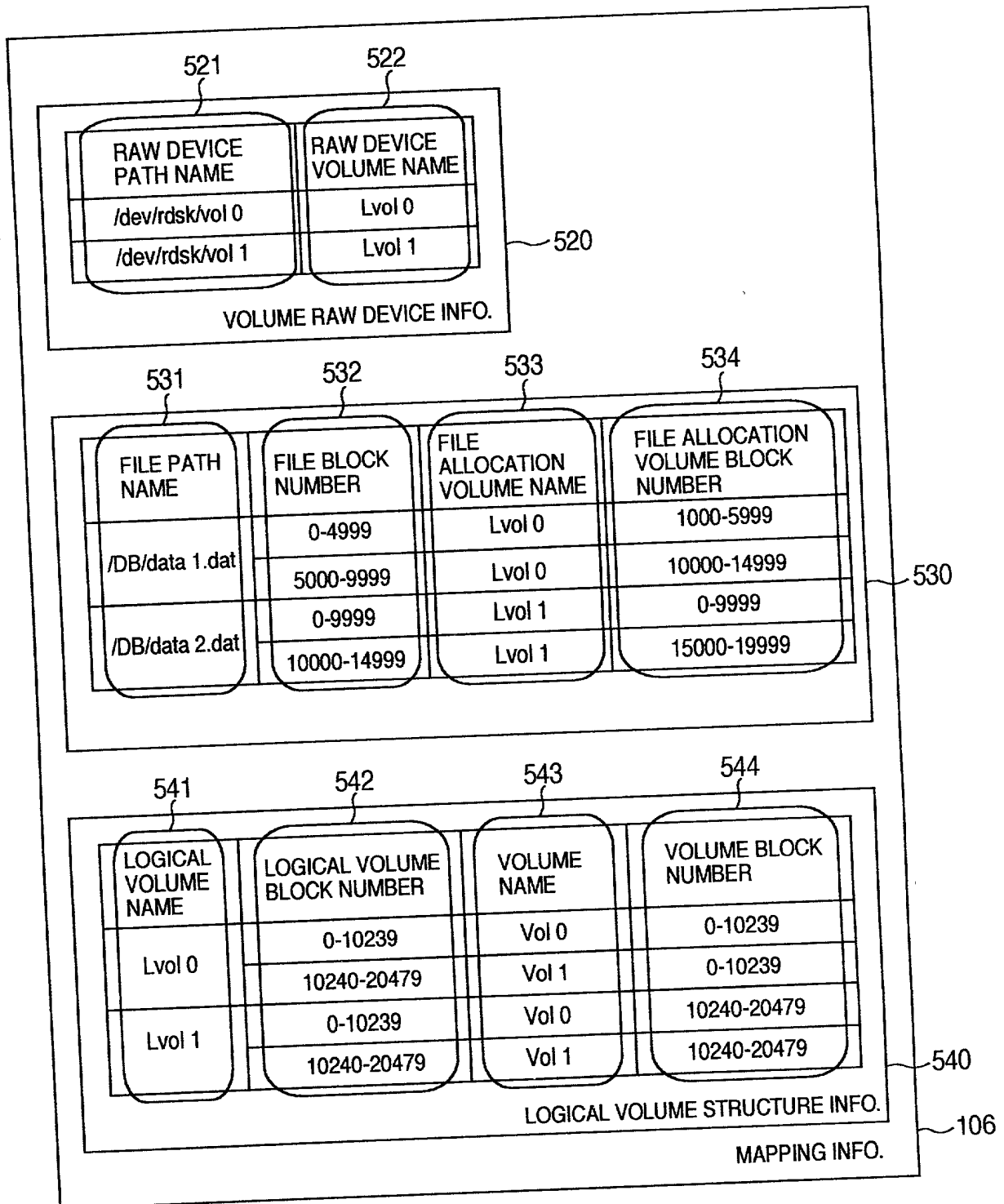


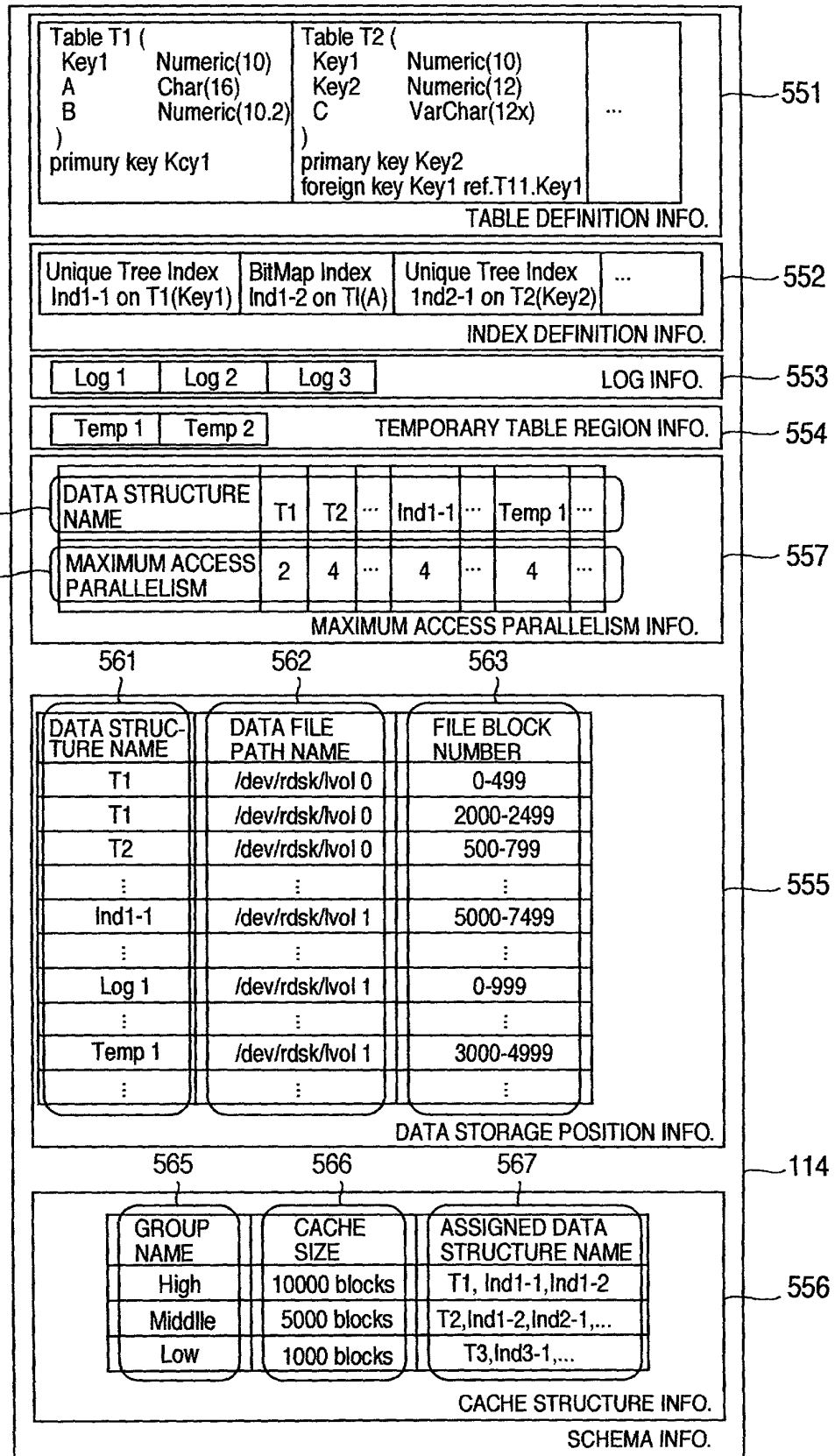
FIG. 1



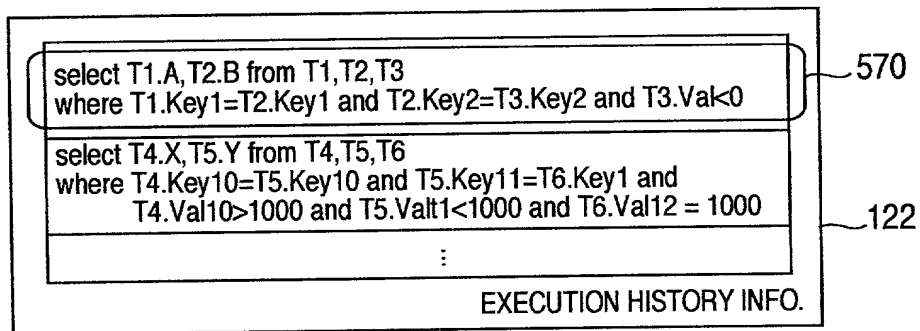
# FIG.2



# FIG.3



# FIG.4



# FIG.5

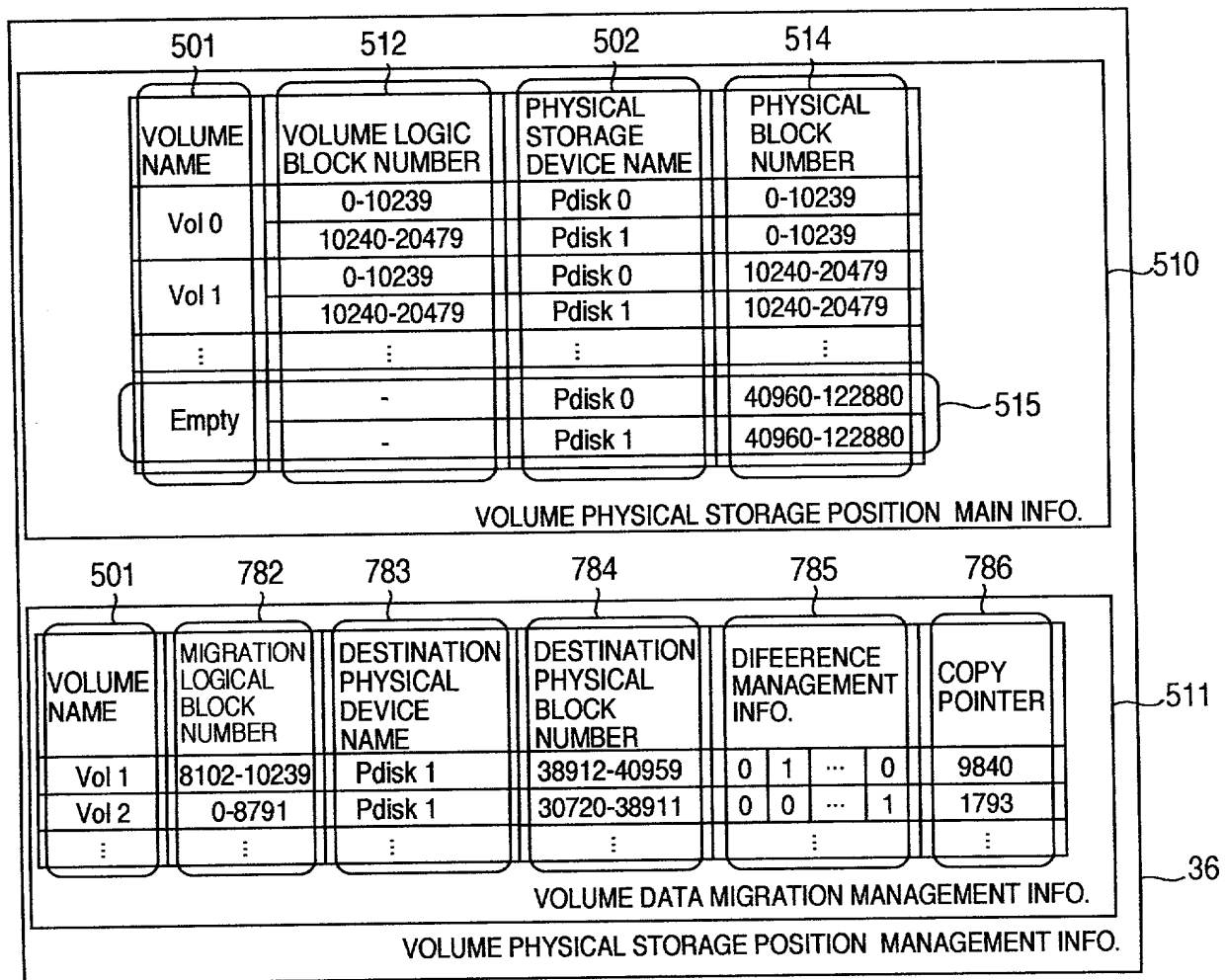
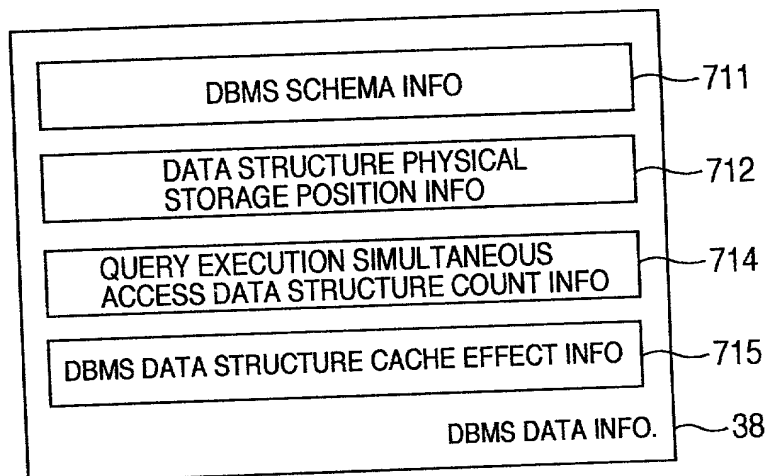


FIG.6

VOLUME NAME		Vol 0	Vol 0	Vol 1	...	501
PHYSICAL STORAGE DEVICE NAME		Pdisk 0	Pdisk 1	Pdisk 0	...	502
CUMULATIVE OPERATION TIME		23917390	38902849	8012891	...	503
PREVIOUS CUMULATIVE OPERATION TIME		22787638	38783484	7592039	...	593
OPERATION RATE	2000/4/1 12:00~ 2000/4/1 12:15	20%	12%	4%	...	594
	2000/4/1 12:15~ 2000/4/1 12:30	15%	10%	7%	...	
	2000/4/1 12:30~ 2000/4/1 12:45	16%	9%	5%	...	
	⋮	⋮	⋮	⋮	⋮	
PREVIOUS CUMULATIVE OPERATION TIME ACQUIRING TIME		PHYSICAL STORAGE DEVICE OPERATION INFO.				595 32

FIG.7



# FIG.8

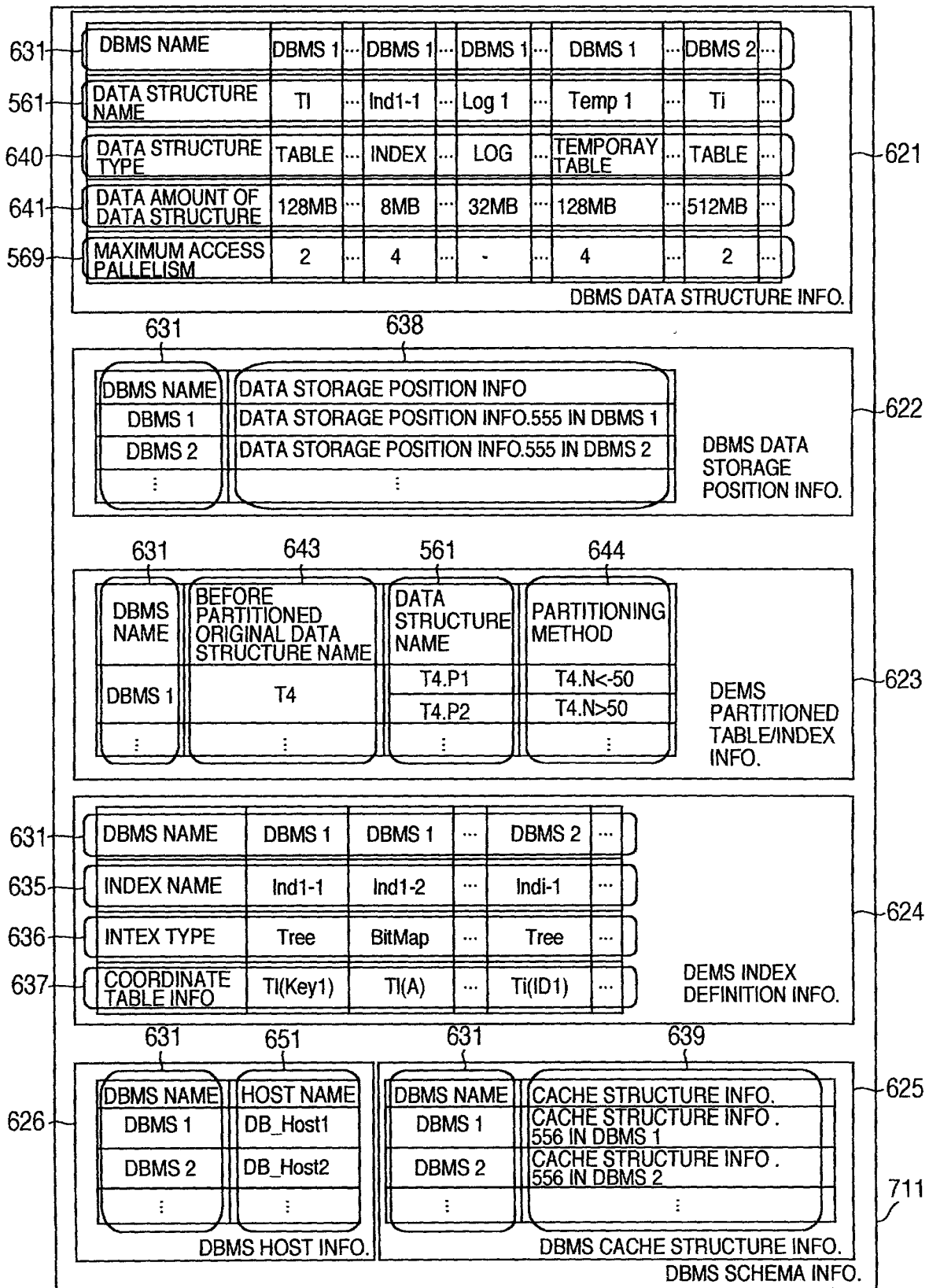


FIG.9

DBMS NAME	DBMS 1	DBMS 1	DBMS 1	...	DBMS 2	...	631
DATA STRUCTURE NAME	T1	T1	T2	...	Ti	...	561
VOLUME NAME	Vol 0	Vol 1	Vol 0	...	Vol 2	...	501
VOLUME LOGICAL BLOCK NUMBER	0.4999	5000-9999	0-239	...	0-9999	...	512
PHYSICAL STORAGE DEVICE NAME	Pdisk 0	Pdisk 0	Pdisk 0	...	Pdisk 1	...	502
PHYSICAL BLOCK NUMBER	0.4999	10240-15239	10000-10239	...	20480-30479	...	514
DATA STRUCTURE PHYSICAL STORAGE POSITION INFO.							712

FIG.10

631	701	702	703	
DBMS NAME	DATA STRUCTURE NAME A	DATA STRUCTURE NAME B	COUNT	
DBMS 1	T1	Ind 1-1	2789	
⋮	⋮	⋮	⋮	
DBMS 2	Ti	Ind i-1	829	
⋮	⋮	⋮	⋮	714
QUERY EXECUTION SIMULTANEOUS ACCESS DATA STRUCTURE COUNT INFO.				

FIG.11

631	561	733	
DBMS NAME	DATA STRUCTURE NAME	CACHE EFFECT INFO	
DBMS 1	T1	THERE IS	
DBMS 1	Ind1-1	THERE IS	
DBMS 1	T2	THERE IS NO	
:	:	:	
DBMS 2	Ti	THERE IS	
:	:	:	
DBMS DATA STRUCTURE CACHE EFFECT INFO			

20220456200T

FIG.12

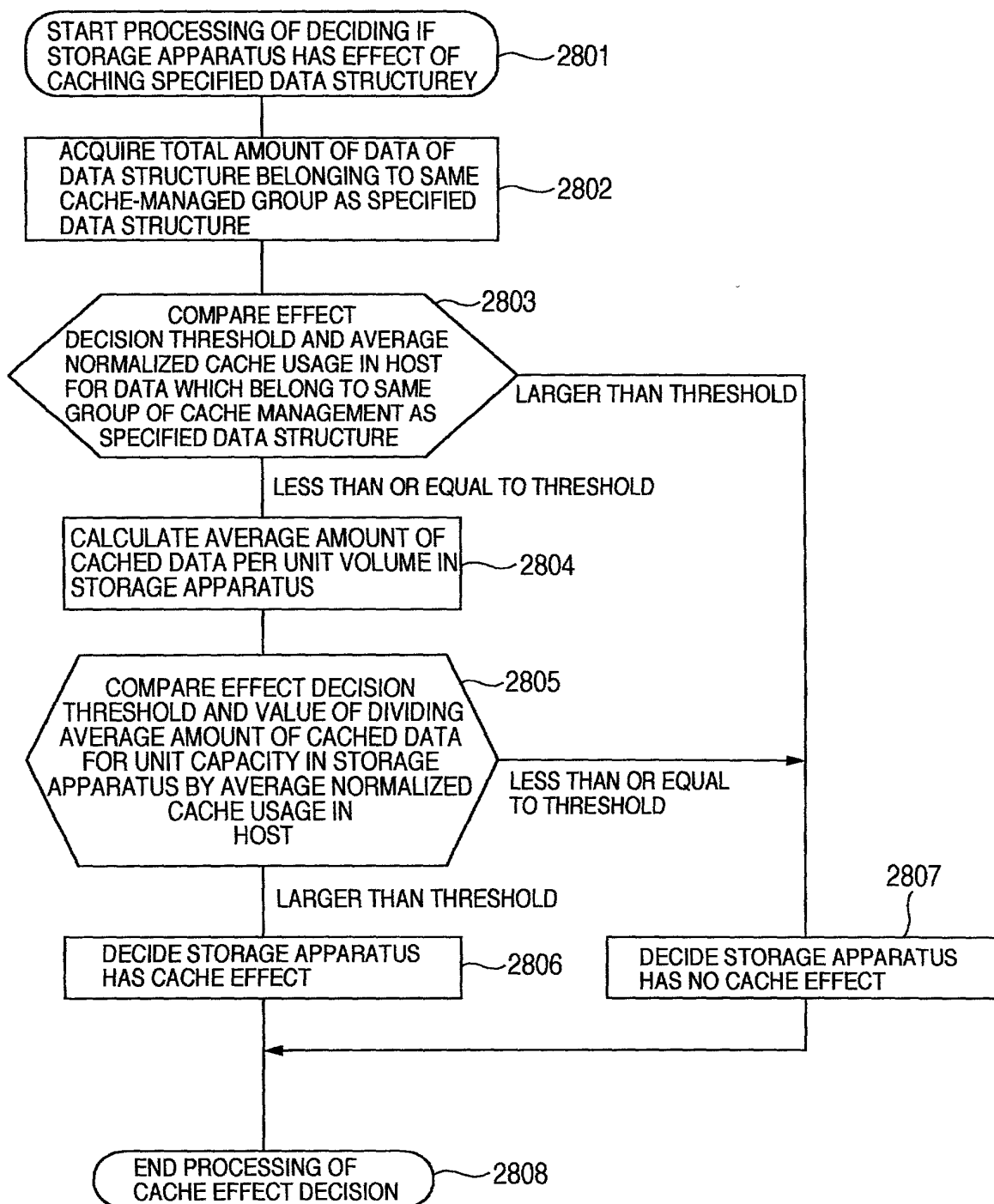


FIG.13

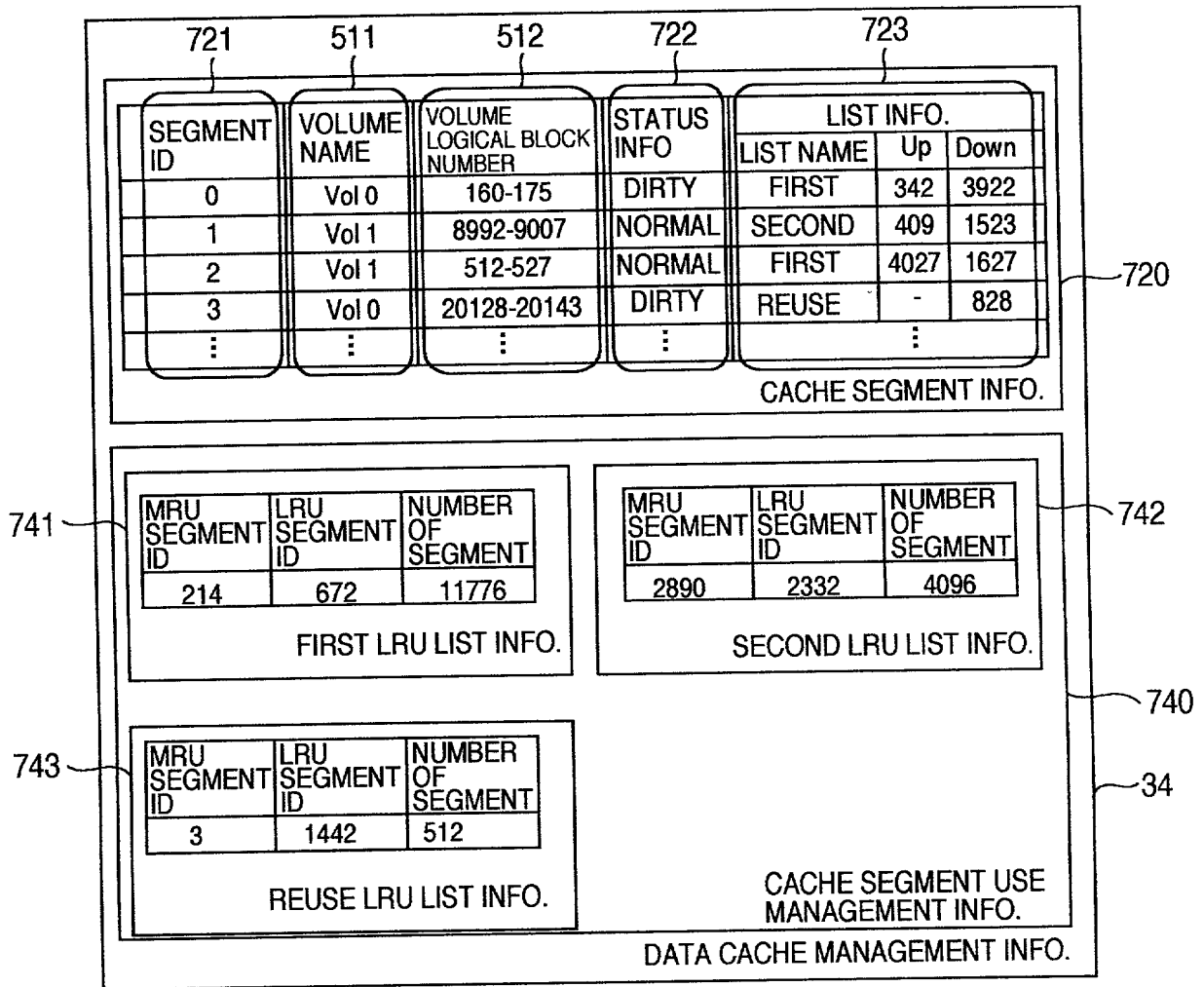


FIG.14

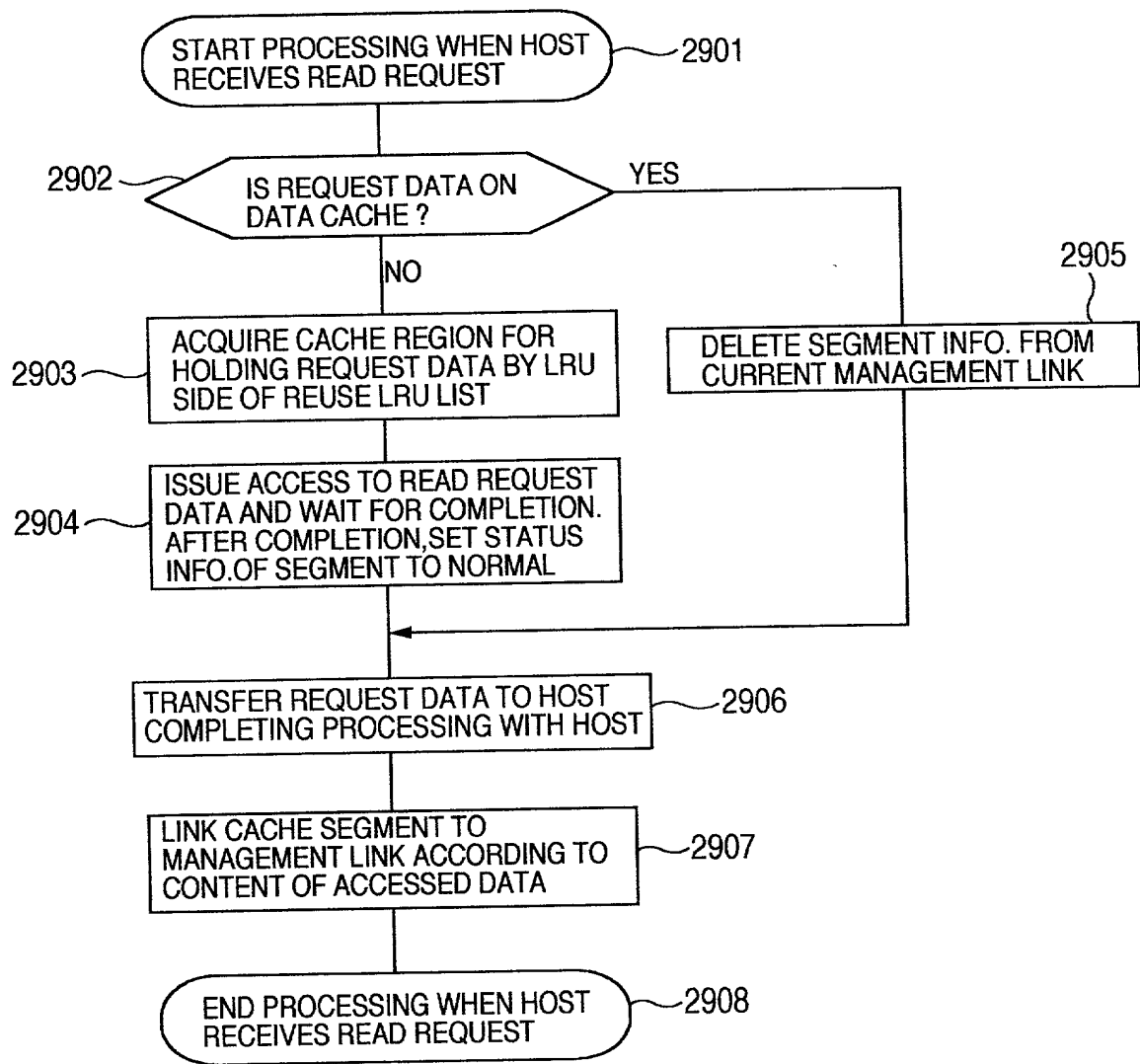


FIG.15

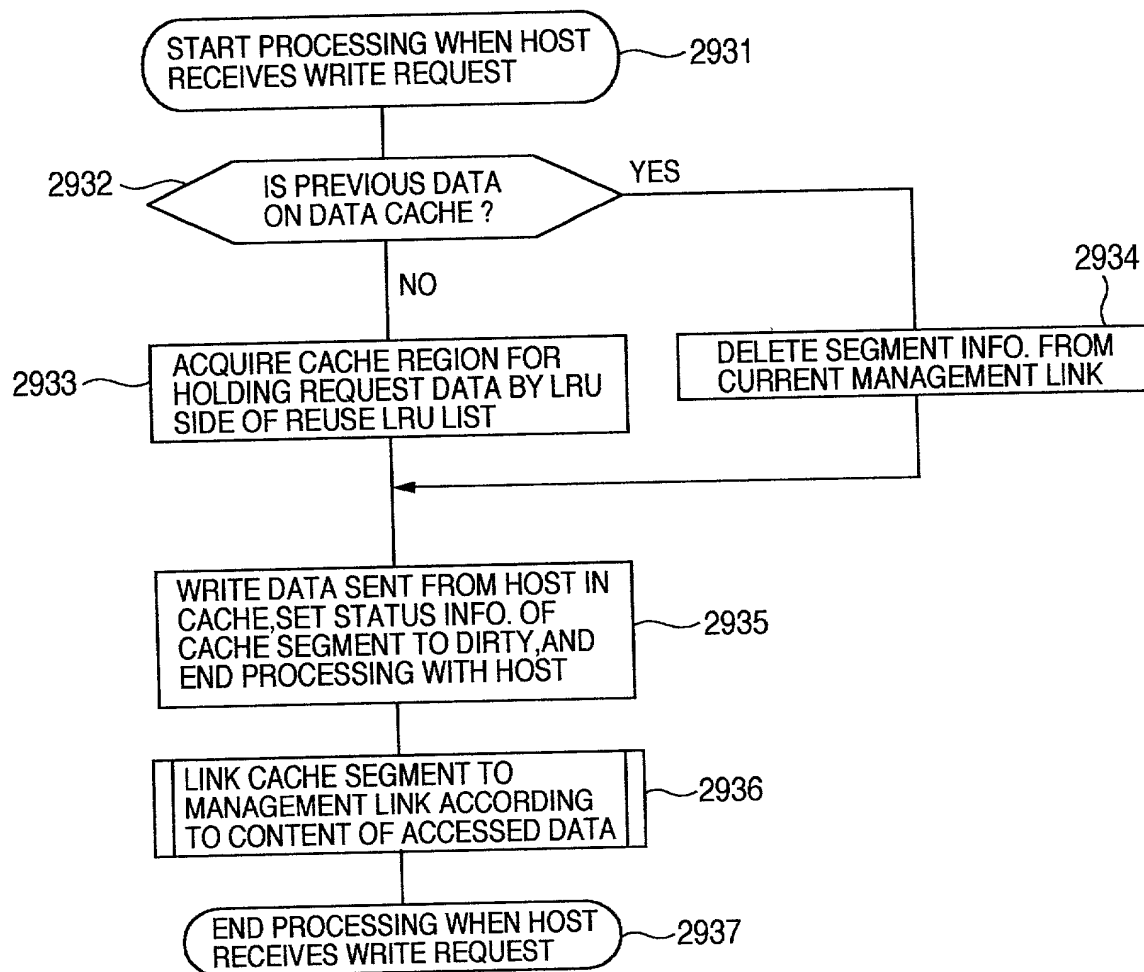


FIG.16

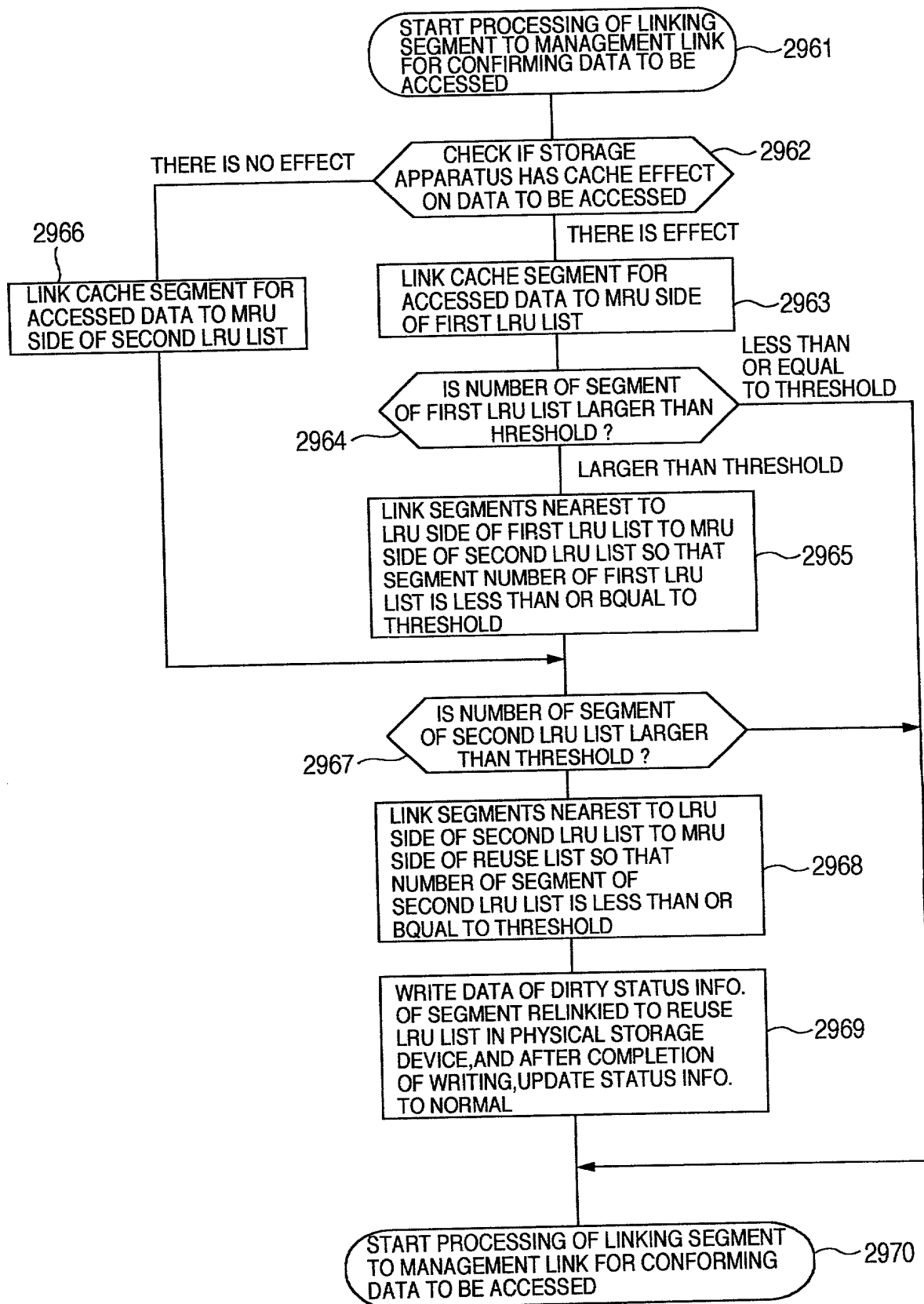


FIG.17

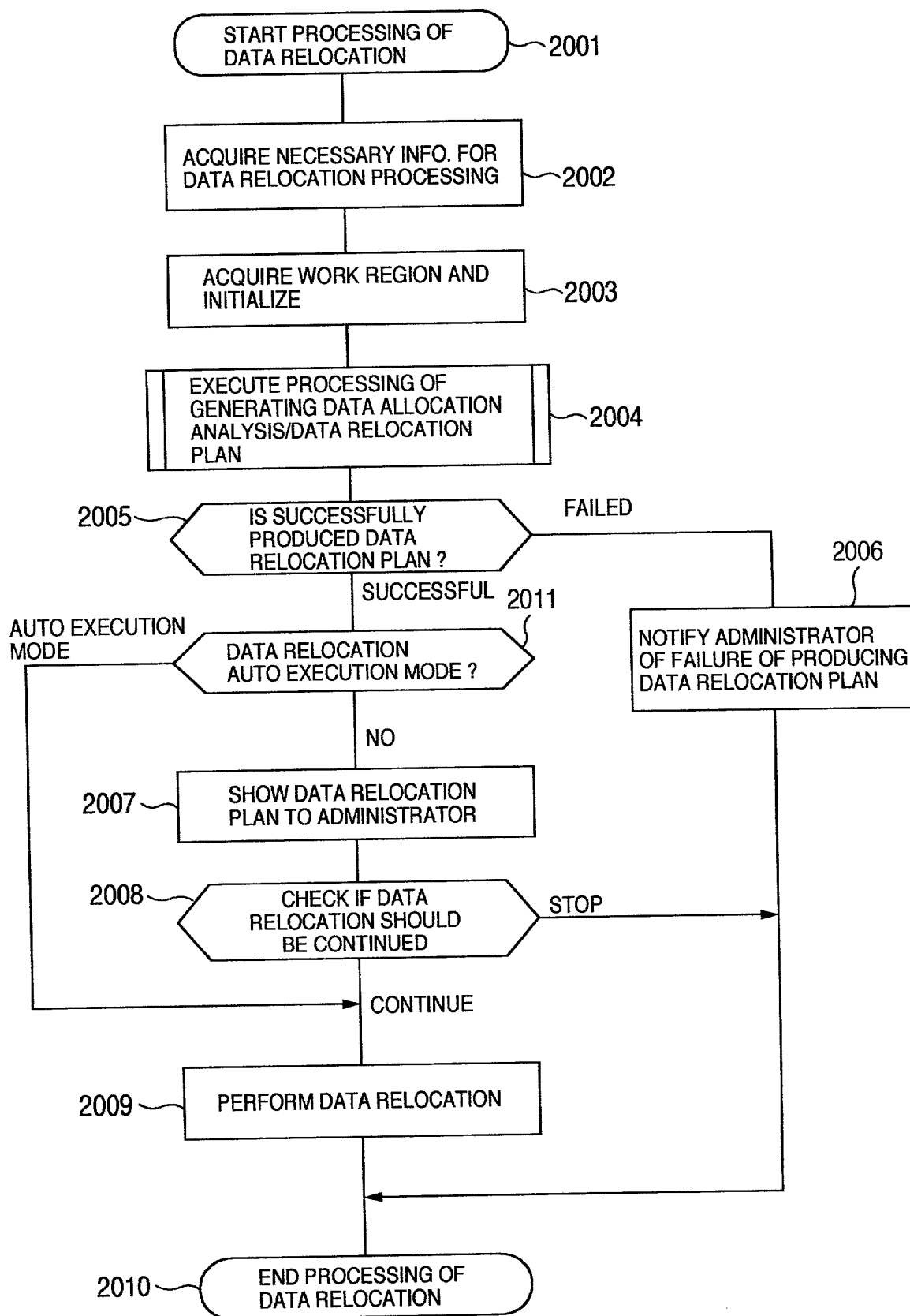


FIG.18

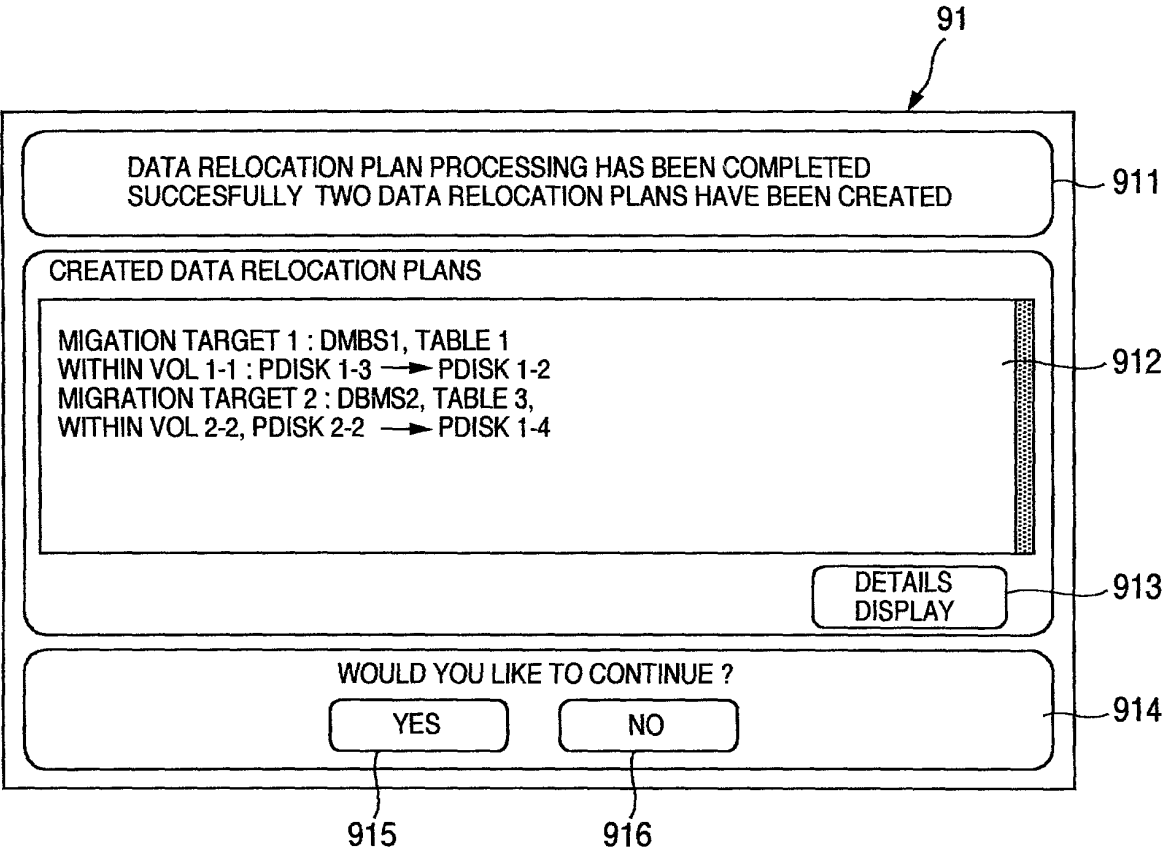


FIG.19

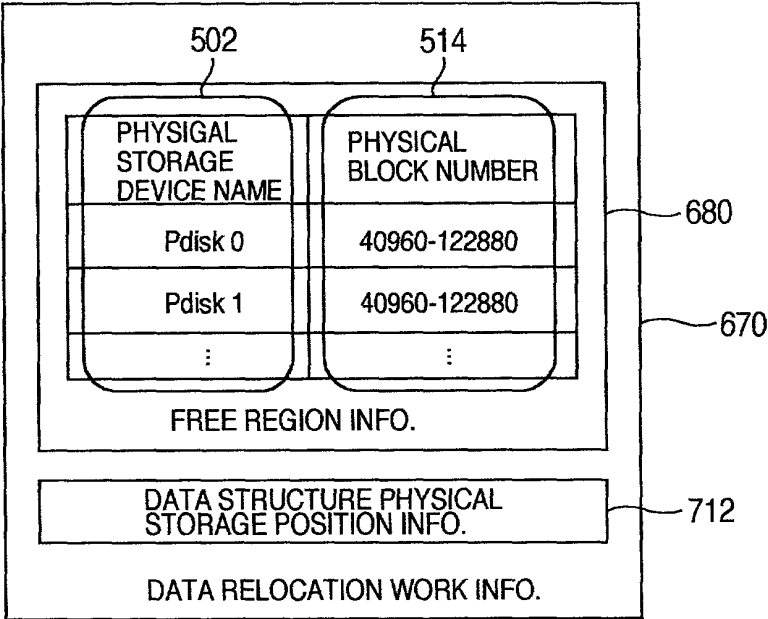


FIG.20

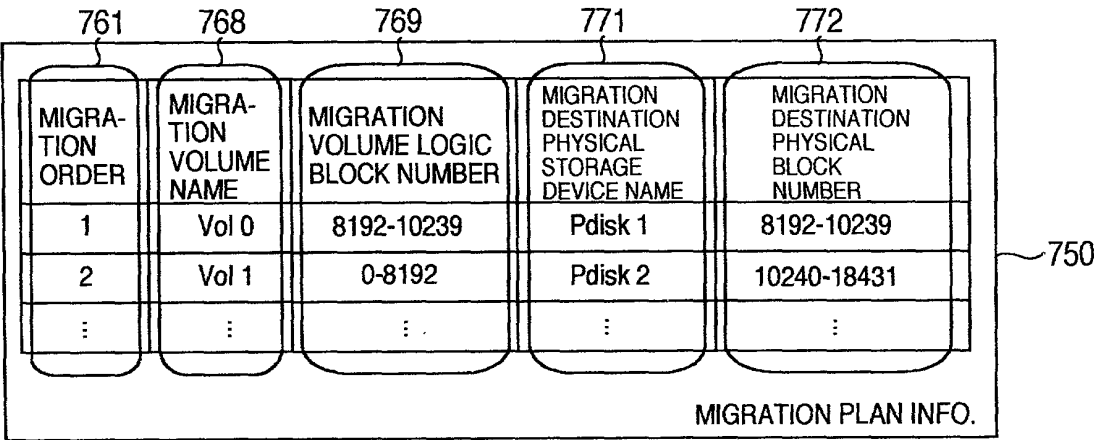
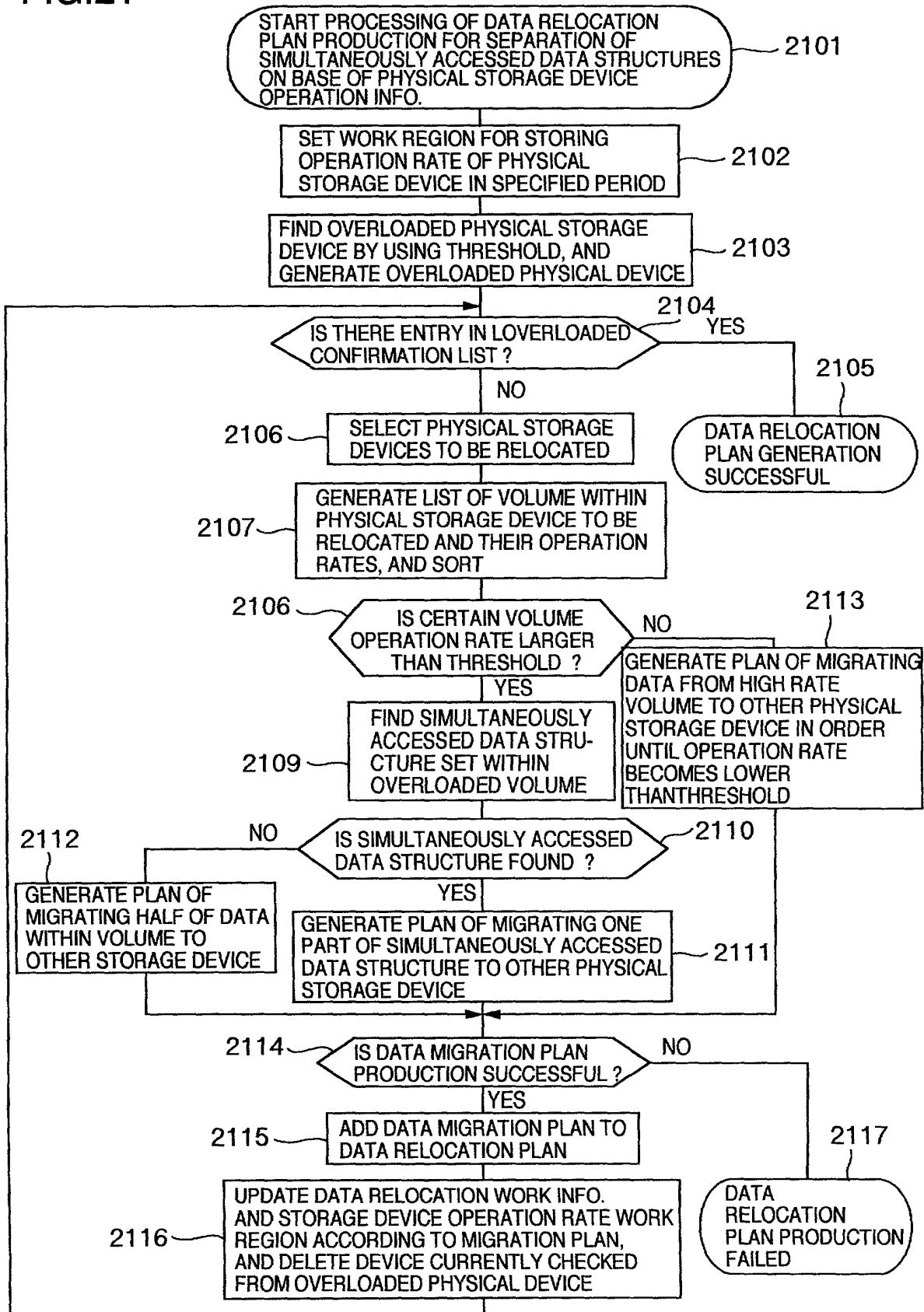


FIG.21



204220-45E800F

FIG.22

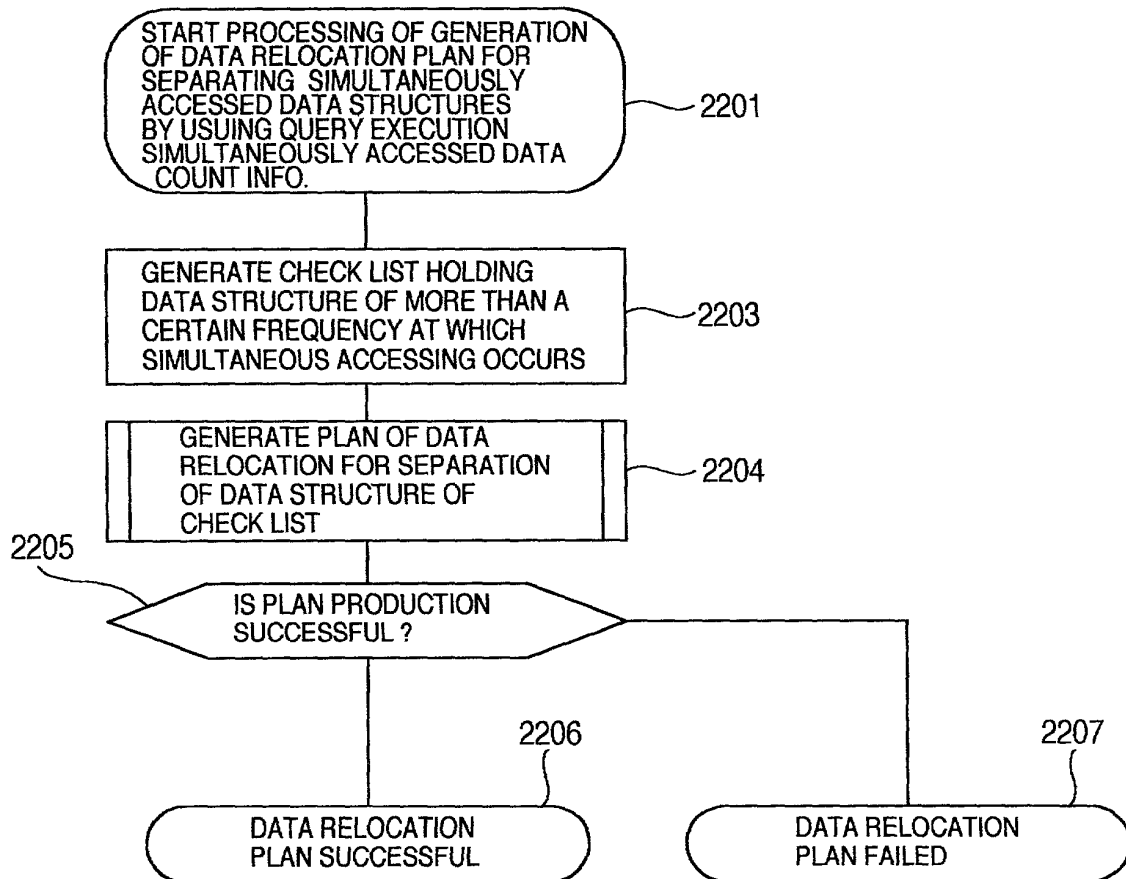
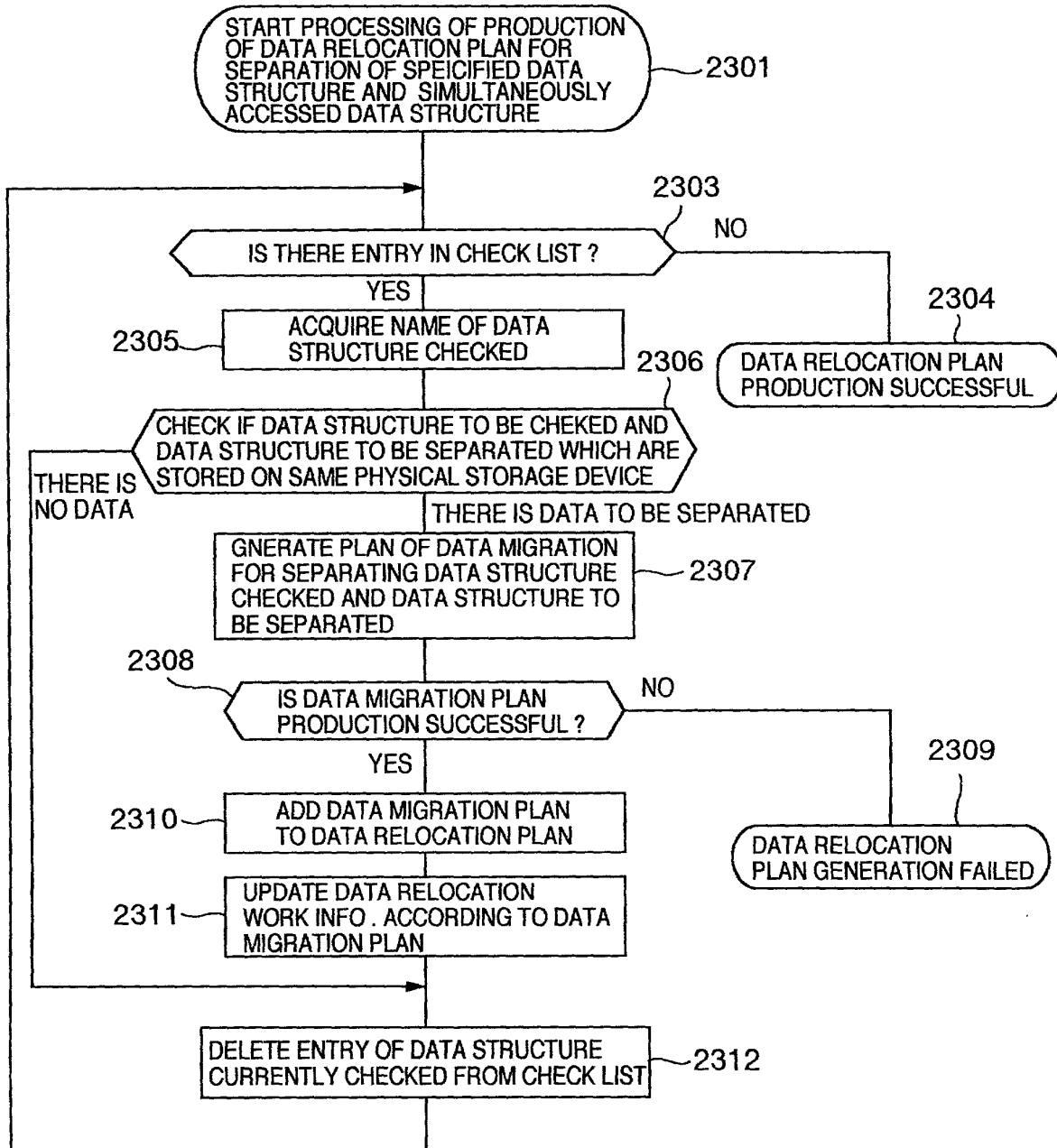


FIG.23



20220714 10:08:34

FIG.24

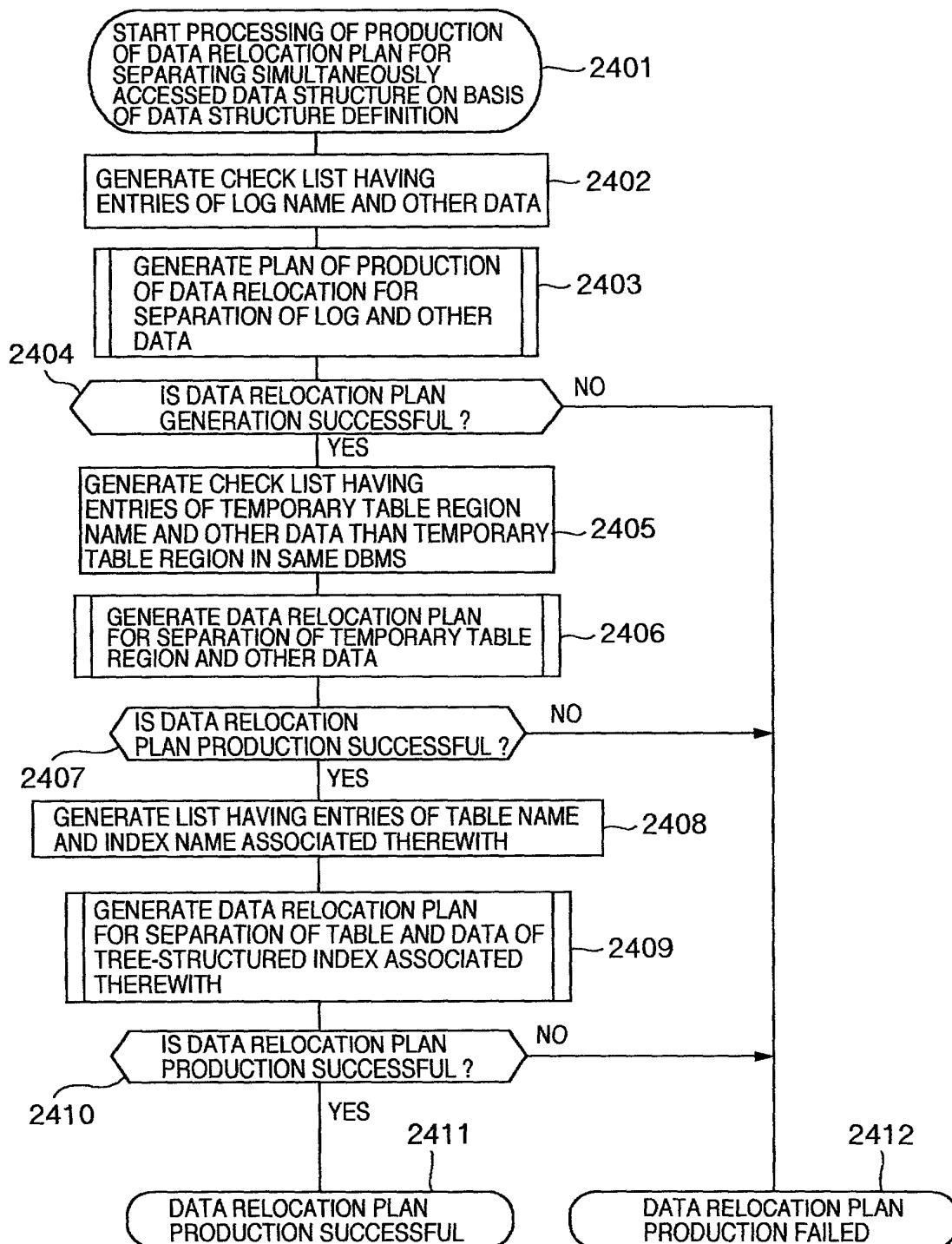


FIG.25

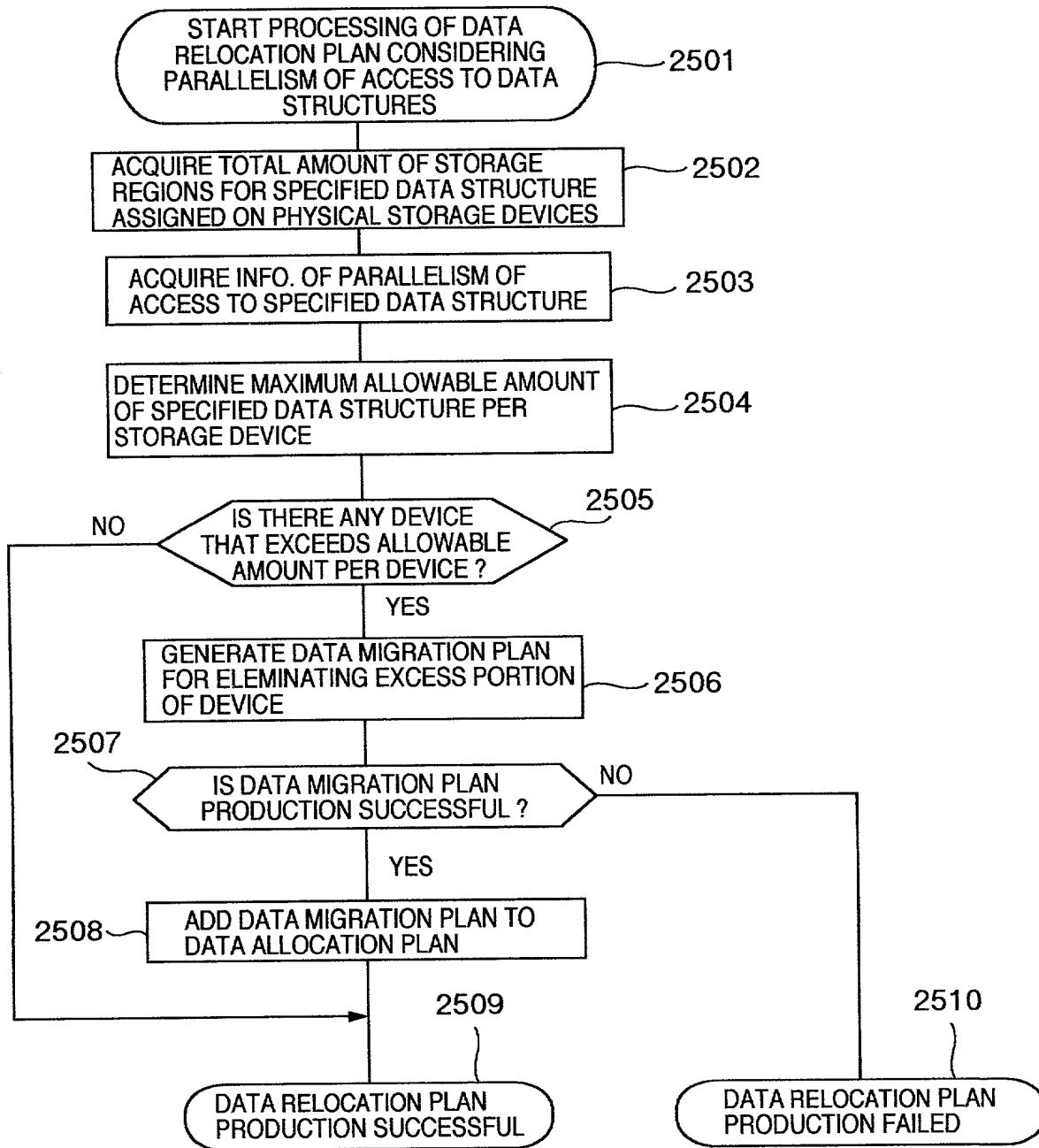


FIG.26

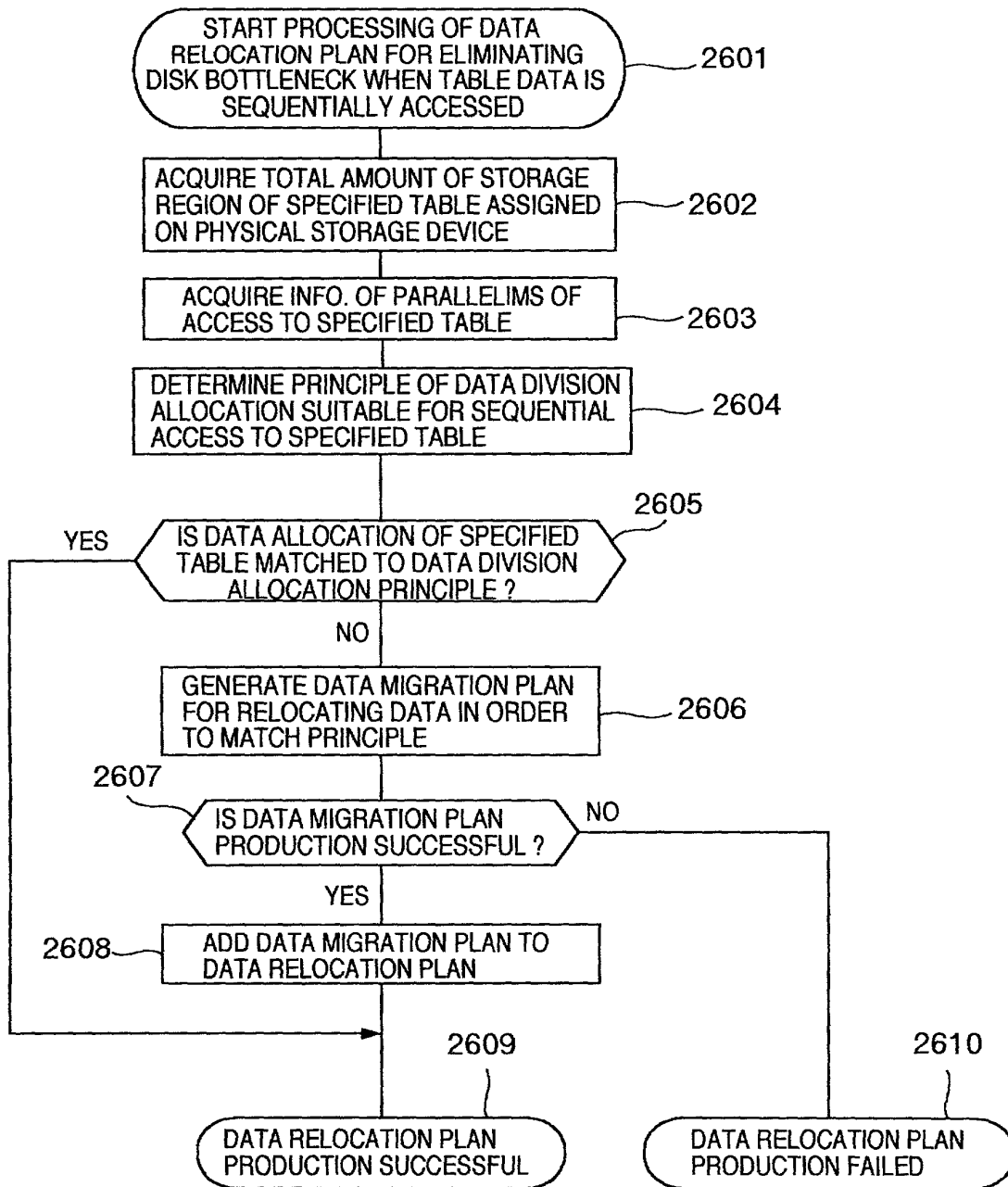
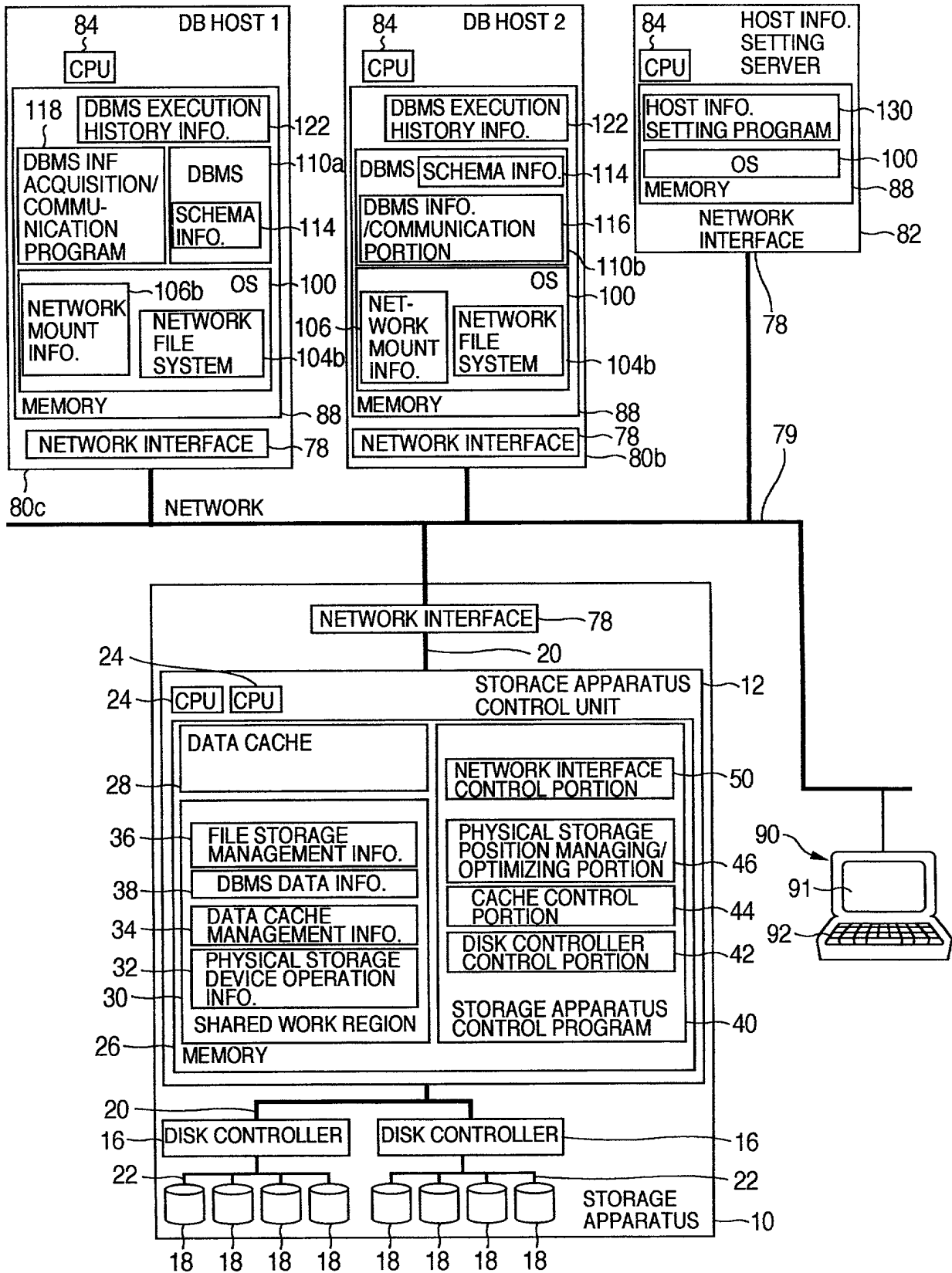


FIG.27



# FIG.28

583 STORAGE DEVICE NAME	1001 FILE SYSTEM NAME	1031 MOUNT POINT
NAS 0	FS 0	/NAS 0/FS 0
NAS 0	FS 1	/NAS 0/FS 1
NAS 0	FS 2	/NAS 0/FS 2

106b

NETWORK MOUNT INFO.

# FIG.29

1001 FILE SYSTEM NAME	1002 FILE PATH NAME	1003 FILE BLOCK NUMBER	502 DEVICE NAME	514 PHYSICAL BLOCK NUMBER
FS 0	/control.dat	0-1023	Pdisk 0	4096-5119
	/wk/wk 1.dat	0-2047	Pdisk 1	1024-3071
	/wk/wk 1.dat	2048-4095	Pdisk 0	8192-10239
	Empty	-	Pdisk 0	40960-122880
FS 1	/data1.dat	0-4999	Pdisk 1	10240-15239
⋮	⋮	⋮	⋮	⋮

510b

1015

FILE PHYSICAL STORAGE POSITION INFO .

1001 FILE SYSTEM NAME	1002 FILE PATH NAME	1021 MIGRATION FILE BLOCK NUMBER	783 DESTI- NATION DEVICE NAME	784 DESTINATION PHYSICAL BLOCK NUMBER	785 DIFFERENCE MANAGEMENT INFO.	786 COPY POINTER
FS 1	/data 1.dat	8192-10239	Pdisk 1	38912-40959	0 1 0	9840
FS 2	/data A.dat	0-8191	Pdisk 1	30720-38911	0 0 1	1792

511b

36b

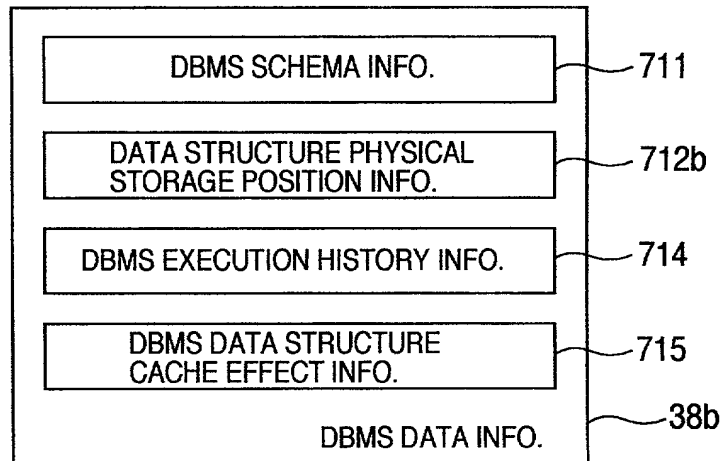
FILE DATA MIGRATION MANAGEMENT INFO.

FILE STORAGE MANAGEMENT INFO.

FIG.30

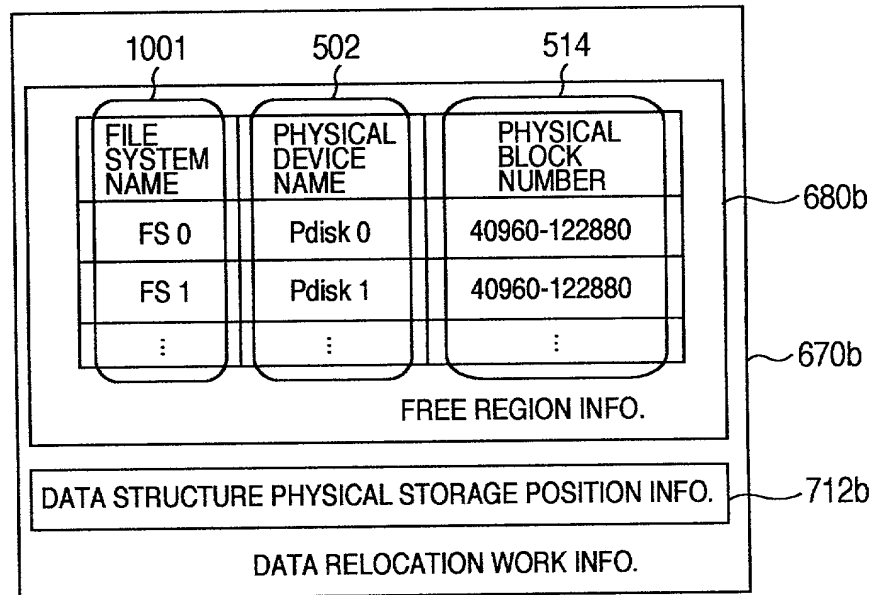
FILE SYSTEM NAME		FS 0	FS 0	FS 1	...	1001
PHYSICAL STORAGE DEVICE NAME		Pdisk 0	Pdisk 1	Pdisk 0	...	502
CUMULATIVE OPERATION TIME		23917390	38902849	8012891	...	503
PREVIOUS CUMULATIVE OPERATION TIME		22787638	38783484	7592039	...	593
OPERATION RATE	2000/4/1 12:00~ 2000/4/1 12:15	20%	12%	4%	...	594
	2000/4/1 12:15~ 2000/4/1 12:30	15%	10%	7%	...	
	2000/4/1 12:30~ 2000/4/1 12:45	16%	9%	5%	...	
	⋮	⋮	⋮	⋮	⋮	
	⋮	⋮	⋮	⋮	⋮	
PREVIOUS CUMULATIVE OPERATION TIME ACQUIRING TIME		PHYSICAL STORAGE DEVICE OPERATION INFO.				32b

FIG.31



[illegible][illegible][illegible][illegible]

# FIG.34



# FIG.35

